

IN THE CLAIMS:

Please amend the claims as set forth herein below. An Appendix showing all changes to the claims is attached to this amendment as required by 37 CFR § 1.12(b).

Please cancel claim 3 without prejudice to continued prosecution in a related copending application.

B<sup>2</sup>  
4. (Twice Amended) An isolated DNA sequence encoding an adult human liver flavin-containing monooxygenase (FMOS), wherein the DNA sequence is as depicted as SEQ ID NO: 5

5. (Twice Amended) A procaryotic or eucaryotic host cell containing DNA sequences according to claim 4 with a heterologous regulatory control sequence in an expression vector therefor.

37. (Amended) The DNA sequence of claim 4, wherein the DNA sequence encodes the amino acid sequence of SEQ ID NO: 6.

B<sup>3</sup>  
38. (Amended) The DNA sequence of claim 4, wherein the DNA sequence is SEQ ID NO: 7.

39. (Amended) The DNA sequence of claim 4, wherein the DNA sequence encodes the amino acid sequence of SEQ ID NO: 8.

REMARKS

Applicants acknowledge the withdrawal of the restriction requirement in this case by the Examiner and confirm that claims 3-5 and 37-39 are now pending in this matter. The Examiner has objected to claims 3 through 5 believing that certain terms are either non-standard or that a term or phrase may not be grammatically correct. By this amendment, claim 3 has been canceled without prejudice to continued prosecution of the subject matter of the claim in a related copending application. Further claims 4 and 5 have been amended for clarity in accordance with the Examiner's suggestions. The amendments are fully supported by the specification and no new matter has been added. Further, the amendments are only intended to clarify certain terms or to render a phrase grammatically correct and are not believed to limit the claims in any way.